

| <b>L<br/>Numb r</b> | <b>Hits</b> | <b>S arch Text</b>  | <b>DB</b>   | <b>Time stamp</b>   |
|---------------------|-------------|---|---|---------------------|
| 2                   | 0           | (cut\$4 near header\$2) and (phot c upl\$4 or optocoupl\$4) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:17 |
| 3                   | 0           | (cut\$4 near header\$2) same tie-bar                        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:18 |
| 4                   | 0           | (cut\$4 near header\$2) and tie-bar                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:18 |
| 5                   | 1232        | tie-bar   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:18 |
| 6                   | 8101        | tie near bar  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:18 |
| 7                   | 8101        | tie-bar or (tie near bar)                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:19 |
| 8                   | 1           | (cut\$4 near header\$2) and (tie-bar or (tie near bar))     | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:19 |
| 1                   | 491         | cut\$4 near header\$2                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:23 |
| 9                   | 4           | lead near cut\$4 near header\$2                             | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:25 |
| 10                  | 154         | cut\$4 near (lead near terminal\$2)                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:26 |

|   |     |   |   |                     |
|---|-----|---|---|---------------------|
| - | 13  | y shiki n ar yasuda   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:14 |
| - | 10  | chagi near t shio   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/15<br>14:23 |
| - | 38  | suzuki near hidehiko  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/15<br>14:25 |
| - | 67  | usui near yasunori  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/15<br>14:27 |
| - | 55  | photocoupl\$4 and 250/551.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/08<br>16:40 |
| - | 0   | 5489800.URPN.   | USPAT   | 2002/04/15<br>14:34 |
| - | 3   | ("4307297"   "4794431"   "5237205").PN.   | USPAT   | 2002/04/15<br>14:34 |
| - | 22  | 4794431.URPN.   | USPAT   | 2002/04/15<br>14:35 |
| - | 0   | 5753929.URPN.   | USPAT   | 2002/04/15<br>14:36 |
| - | 7   | ("4271365"   "4282604"   "4450461"  <br>"4472020"   "4794431"   "4901329"  <br>"5393989").PN. | USPAT   | 2002/04/15<br>14:36 |
| - | 206 | shuichiro near yamaguchi  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/15<br>16:56 |
| - | 148 | (shuichiro near yamaguchi) and matsushita   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/15<br>17:24 |
| - | 1   | photocoupl\$4 and (dummy near header\$2)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/08<br>13:06 |

|   |       |  |   |                     |
|---|-------|--|---|---------------------|
| - | 79    | dummy n ar h ader\$2   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/09<br>17:29 |
| - | 11    | 4745294.URPN.  | USPAT   | 2003/04/08<br>16:36 |
| - | 13385 | photocoupl\$4 or optocoupl\$4  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/10<br>12:17 |
| - | 95    | (photocoupl\$4 or optocoupl\$4) and (plurality<br>near2 light near emit\$4 ) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/08<br>16:47 |
| - | 1     | 09/837174  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/08<br>16:58 |
| - | 1     | 5285076.URPN.  | USPAT   | 2003/04/08<br>16:59 |
| - | 1     | lead-cut near (dummy near header\$2)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/09<br>17:29 |
| - | 1     | lead-cut and (dummy near header\$2)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/09<br>17:29 |
| - | 16    | lead-cut   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/09<br>17:30 |